



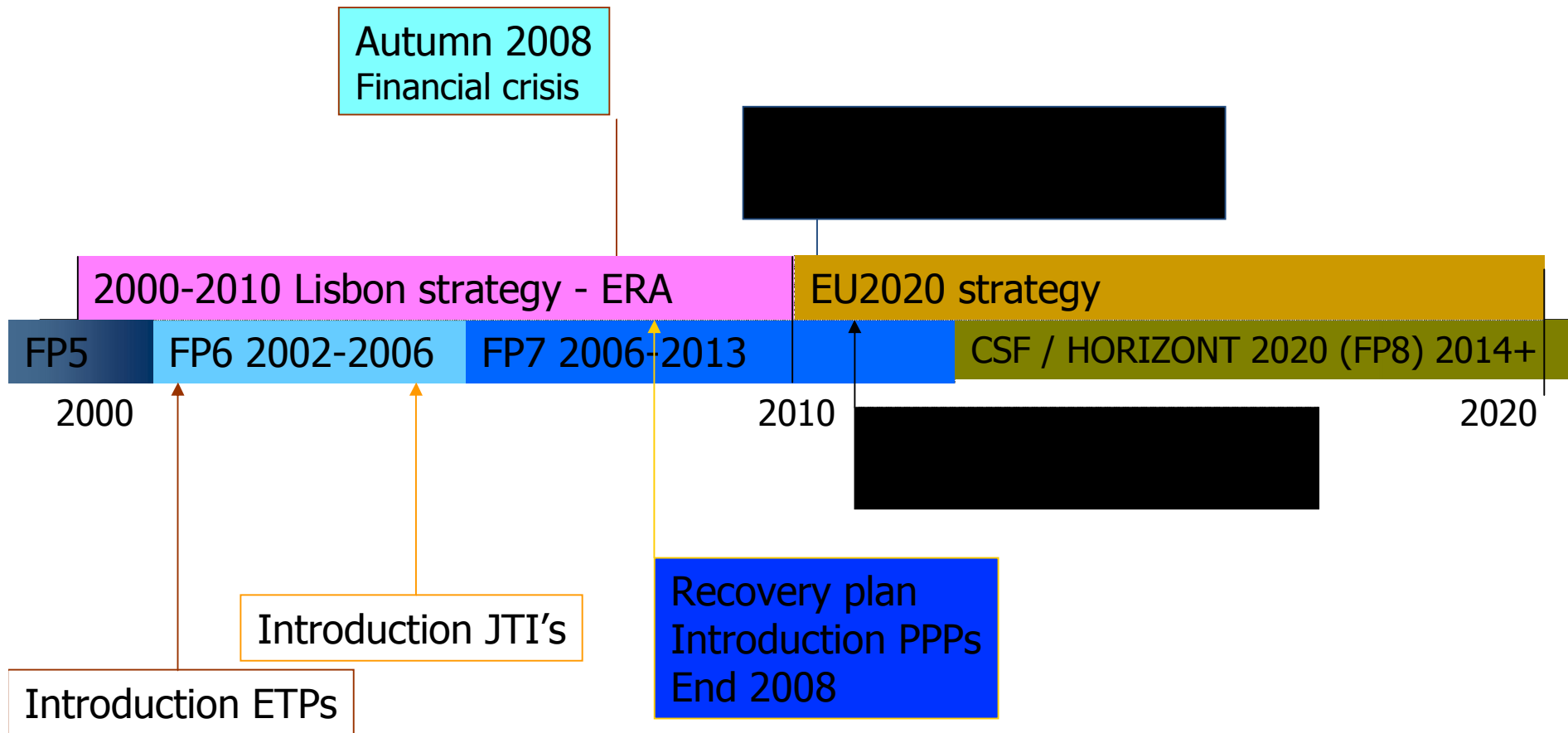
European strategies and programmes for R&D

(more or less from ICT and FP7 and FP8 point of view)

26.X.2011, Bratislava

Anton.Lavrin@tuke.sk





FP7 and Slovakia / Key facts and figures

SOURCE: <http://ec.europa.eu/research/innovation-union/pdf/competitiveness-report/2011/countries/slovakia.pdf>

Applications

As of 2011/03/16, a total of 1 177 eligible proposals were submitted in response to 248 FP7 calls for proposals. involving 1 479 applicants from Slovakia (0.55 % of EU-27*) and requesting EUR 301.74m of EC contribution (0.34 % of EU-27*) Among the EU-27* Slovakia (SK) ranks : 21st in terms of number of applicants and 22nd in terms of requested EC contribution

Success rates

The SK applicant success rate of 19.9 % is lower than the EU-27* applicant success rate of 21.6 %. The SK EC financial contribution success rate of 12.8 % is lower than the EU-27* rate of 20.7 %. Specifically, following evaluation and selection, a total of 230 proposals were retained for funding (19.5 %) involving 295 (19.9 %) successful applicants from Slovakia and requesting EUR 38.77m (12.8 %) of EC financial contribution

Among the EU-27*, Slovakia (SK) ranks : 17th in terms of applicants success rate and 20th in terms of EC financial contribution success rate (it is OK)

Signed grant agreements

As of 2011/03/16, Slovakia (SK) participates in 205 signed grant agreements involving 3 155 participants of which 260 (8.24 %) are from Slovakia benefiting from a total of EUR 797.01m of EC financial contribution of which EUR 33.24m (4.17 %) is dedicated to participants from Slovakia. Among the EU-27* in all FP7 signed grant agreements,

Slovakia (SK) ranks : 22nd in number of participations and 24th in budget share (more as 30% proposals are in "failure budget" position)

SME performance and participation

The SK SME applicant success rate of 18.26 % is lower than the EU-27* SME applicant success rate of 19.33 %. The SK SME EC financial contribution success rate of 13.46 % is lower than the corresponding EU-27* rate of 18.26 %.

Specifically, 493 SK SME applicants requesting EUR 116.68m and 90 (18.26 %) successful SMEs requesting EUR 15.71m (13.46 %) . In signed grant agreements, as of 2011/03/16, 49 SK SME grant holders, i.e., 18.85 % of total SK participation EUR 9.68m, i.e., 29.12 % of total SK budget share



		SME Initiated.	Call 8	GC, EEB, FoF PPP 2012	Call 9	Future Internet PPP 2012	FET Open
WHAT IS IT OPEN IN ICT THEMATIC AREA ??	Budget						
DATE OF PUBLICATION		1/2/11	20/7/11	20/7/11	18/1/12	18/5/12	20/7/10
Call deadline		28/4/11 (short) 28/9/11 (full)	17/1/12	1/12/11	17/4/12	24/10/12	Cont. to 31/12/12
1. Pervasive and Trusted Network and Service Infrastructure	625						
1.1 Future Networks	160		160				
1.2 Cloud Computing, Internet of Services and Advanced Software Engineering	70		70				
1.3 Internet-connected Objects	30						
1.4 Trustworthy ICT	80		80				
1.5 Networked Media & Search Systems	70						
1.6 Future Internet Research and Experimentation (FIRE)	45		25				
1.7 PPP FI: Technology foundation - Future Internet Core Platform	41						
1.8 PPP FI: Use Case scenarios and early trials	107.5					67.5	
1.9 PPP FI: and Infrastructure Support	15.5					12.5	
1.10 PPP FI: Programme Facilitation and Support	6						
2. Cognitive Systems and Robotics	155						
2.1 Cognitive Systems and Robotics	155				82		
3. Alternative Paths to Components and Systems	402						
3.1 Very advanced nanoelectronic components: design, engineering, technology and manufacturability	60		60				
3.2 Smart components and smart systems integration	80		39				

3.3 New paradigms for embedded systems, monitoring and control towards complex systems engineering	50	SME	Call 8	PPP / 2012	Call 9	PPP/FI/2012	FET Open
3.4 Computing Systems	45						
3.5 Core and disruptive photonic technologies	117		92				
3.6 Flexible, Organic and Large Area Electronics and Photonics	50						
4. Technologies for Digital Content and Languages	165						
4.1 SME initiative on Digital Content and Languages	35	35					
4.2 Language Technologies	50						
4.3 Digital Preservation	30				30		
4.4 Intelligent Information Management	50		50				
5. ICT for Health, Ageing Well, Inclusion and Governance	261.5						
5.1 Personal Health Systems	60						
5.2 Virtual Physiological Human	68				66.5		
5.3 Patient Guidance Services (PGS), safety and healthcare record information reuse	35						
5.4 ICT for Ageing and Wellbeing	37						
5.5 ICT for smart and personalised inclusion	35						
5.6 ICT Solutions for governance and policy modelling	25						
5.7 Support to JPI 'More Years – Better Lives'	1.5		1.5				
6. ICT for a Low Carbon Economy	280						
6.1 Smart energy grids	30		30				
6.2 ICT systems for Energy Efficiency	35						
6.3 ICT for efficient water resources management	15		15				
6.4 PPP EEB: ICT for energy-efficient buildings and spaces of public use	20						
6.5: PPP EEB: ICT for energy-positive neighbourhoods	30			30			
6.6 Low-carbon multi-modal mobility and freight transport	50						
6.7 Cooperative systems for energy efficient and sustainable mobility	40		40				
6.8 PPP GC: ICT for fully electric vehicles	60			30			
7. ICT for the and Manufacturing	140						
7.1 PPP FoF: Smart factories: energy-aware, agile manufacturing and customisation	40			40			
7.2 PPP FoF: Manufacturing Solutions for new ICT products	20			20			
7.3 PPP FoF: Virtual factories and enterprises	45						
7.4 PPP FoF: Digital factories: Manufacturing design and product lifecycle management	35						

8. ICT for Learning and Access to Cultural Resources	100						
8.1 Technology-Enhanced Learning	60		60				
8.2 ICT for access to cultural resources	40				40		
9. Future and Emerging Technologies	261						
FET-Open	93						
9.1 Challenging current Thinking	75						75
9.2 High-Tech Research Intensive SMEs in FET research	9						9
9.3 FET Young Explorers	6						6
9.4 International cooperation on FET research	3						3
FET-Proactive	168						
9.5 FET Flagship Initiative Preparatory Actions	10						
9.6 FET Proactive: Unconventional Computation (UCOMP)	15		15				
9.7 FET Proactive: Dynamics of Multi-Level Complex Systems	23		23				
9.8 FET Proactive: Minimising Energy Consumption of Computing to the Limit (MINECC)	15		15				
9.9 FET Proactive: Quantum ICT (QICT) including ERA-NET-Plus	22				22		
9.10 FET Proactive: Fundamentals of Collective Adaptive Systems (FOCAS)	23				23		
9.11 FET Proactive: Neuro-Bio-Inspired Systems (NBIS)	23				23		
9.12 Coordinating Communities, Identifying new research topics for FET Proactive initiatives and Fostering Networking of National and Regional Research Programmes	8.5		3		2.5		
9.13 Exa-scale computing, software and simulation	25						
9.14 Science of Global Systems	3.5		3.5				
10. International Cooperation	15						
10.1 EU-Brazil Research and Development Cooperation	5						
10.2 EU-Russia Research and Development Cooperation	4						
10.3 International Partnership building and support to dialogues	6				2		
11. Horizontal Actions	19						
11.1 Pre-Commercial Procurement Actions	5		5				
11.2 National Contact Points	4						
11.3 Strengthening Cooperation in ICT R&D in an Enlarged	10	SME	Call 8	PPP / 2012	Call 9	PPP/FI/ 2012	FET Open
Total	2423.5	35	787	120	291	80	93

Research infrastructures (what is it open?)/ Budget used per call

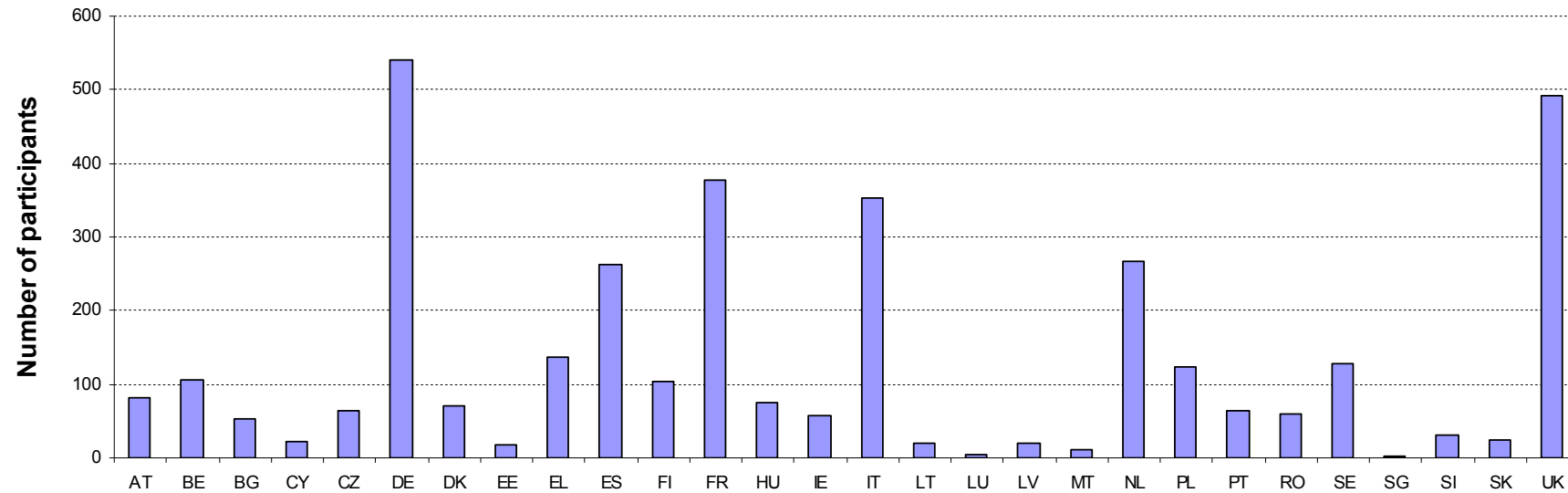
Call N°	DG	Call ID (deadline)	Support to existing RIs (M€)		Support to new RIs (M€)			Support to policy development (M€)	TOTAL (M€)
			<i>Integrating Activities</i>	<i>ICT based e-Infra</i>	<i>Design Studies</i>	<i>Const. Preparatory</i>	<i>Const. Implem.</i>		
1	RTD / INFSO	Infra-2007-1		44	29	147		8	227
2	INFSO	Infra-2007-2		50				13	63
3	RTD	Infra-2008-1	278					4	281
4	INFSO	Infra-2008-2		115				0	115
5	INFSO	Infra-2009-1		4				5	10
6	RTD	Infra-2010-1	168			44		5	217
7	INFSO	Infra-2010-2	0	85			20	10	115
8	RTD	Infra-2011-1	108		18		32	6	164
9	INFSO	Infra-2011-2		72			18	5	95
10	RTD / INFSO	Infra-2012-1	116			22	20	18	177
11	INFSO	Infra-2013-1		39					39
Named beneficiaries, studies, expert contracts									5
Total (M€)			670	409	46	213	90	75	1508

Member States

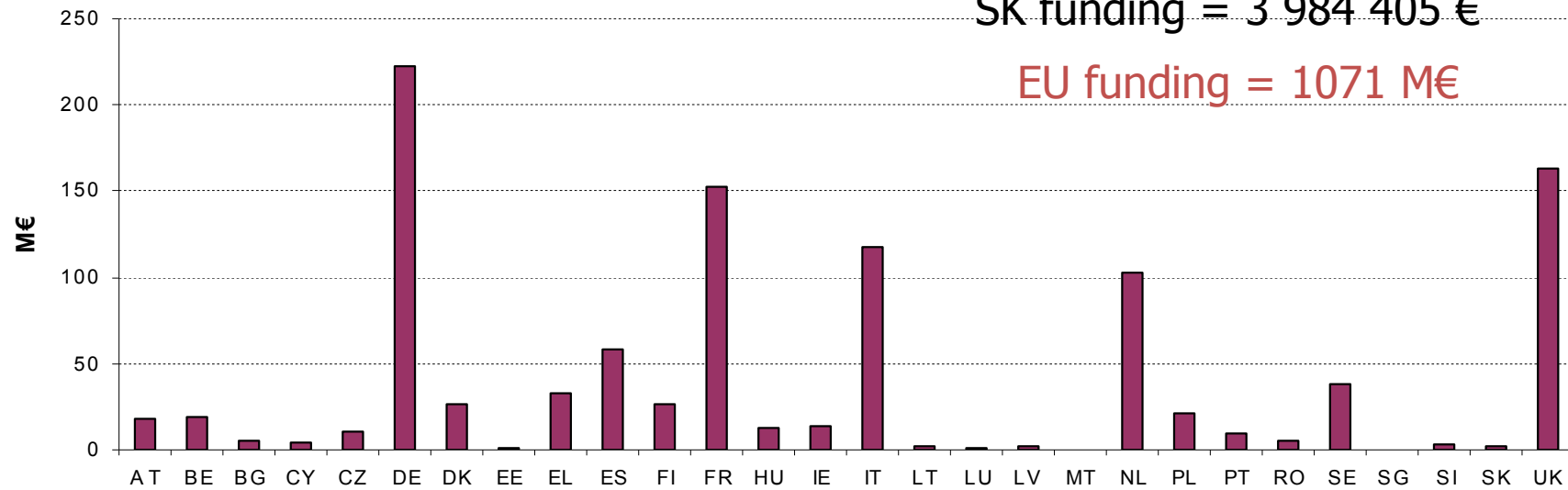


Research infrastructures

Participants = 3562



SK funding = 3 984 405 €



EU funding = 1071 ME

Research infrastructures



DG RTD and Innovation

Call 10 / FP7-INFRASTRUCTURES-2012-1

Publication: 20. VII. 2011

Deadline: 23. XI. 2011

Line of action/Activity	Funding scheme(s)	EUR million indicative
1.1 Support to existing research infrastructures		
1.1.1 Integrating Activities	Combination of Collaborative projects and Coordination and Support Actions (CP-CSA) <i>The requested EU contribution shall not exceed EUR 10 million</i> <i>Proposals must address all the 3 categories of activities of the 13 model</i>	30.00
+ 78.50 M€		
1.2 Support to new research infrastructures		
1.2.2 Construction of new infrastructures (or major upgrades) – Preparatory Phase	Combination of Collaborative projects and Coordination and Support Actions (CP-CSA)	22.30
1.2.3 Construction of new infrastructures (or major upgrades) – implementation phase		20.00
1.3 Support to policy development and programme implementation		
INFRA-2012-3.1: International cooperation with the USA on common data policies and standards relevant to global research infrastructures in the environment field	Coordination and Support Actions (CSA-CA or CSA-SA)	2.00
INFRA-2012-3.2: International cooperation with the USA on common e-infrastructure foundations relevant to global research infrastructures		1.00
INFRA-2011-3.3: Coordination actions, conferences and studies supporting policy development, including international cooperation, for e-Infrastructures		13.00



Integrating Activities

● Topics

- 3. RIs for archaeological datasets and related technologies
- 5. Facilities for translational research in medicine
- 10. Plant Genetic Resources Centres
- 11. Fixed point open ocean observatories
- 12. Research Vessels
- 15. Research Infrastructures for Earth System modelling
- 18. Carbon Capture and Storage (CCS) facilities for energy research
- 21. RIs for integration of processing, analysis and characterisation of nano-scale materials and structures
- 24. RIs for Research Infrastructures for optical/IR astronomy
- 25. RIs for High-Resolution Solar Physics
- + Synchrotron radiation sources and Free Electron Lasers

See www.tuke.sk/ist

Research infrastructures



Construction - Preparatory Phase

- **6 topics (ROADMAP 2010 / ESFRI):**
 - **INFRA-2012-2.2.1. EU-SOLARIS** - The European Solar Research Infrastructure for Concentrating Solar Power
 - **INFRA-2012-2.2.2. WindScanner** - The European WindScanner Facility
 - **INFRA-2012-2.2.3. ECCSEL** - European Carbon Dioxide Capture and Storage Laboratory Infrastructure
 - **INFRA-2012-2.2.4. ISBE** - Infrastructure for Systems Biology - Europe
 - **INFRA-2012-2.2.5. MIRRI** - Microbial Resource Research Infrastructure
 - **INFRA-2012-2.2.6. ANAEE** - Infrastructure for Analysis and Experimentation on Ecosystems
 - ***MYRRHA - Multipurpose hybrid Research Reactor for High-tech Applications > EURATOM***

- **Indicative budget of 22.3 M€**

Research infrastructures



DG INFSO
 Call 10 /FP7-INFRASTRUCTURES-2012-1
 Publication: 20. VII. 2011
 Deadline: 23. XI. 2011

Line of action/Activity	Funding scheme(s)	EUR million indicative
1.1 Support to existing research infrastructures		
1.1.1 Integrating Activities	Combination of Collaborative projects and Coordination and Support Actions (CP-CSA) <i>The requested EU contribution shall not exceed EUR 10 million</i> <i>Proposals must address all the 3 categories of activities of the I3 model</i>	30.00
1.2 Support to new research infrastructures		
1.2.2 Construction of new infrastructures (or major upgrades) – Preparatory Phase	Combination of Collaborative projects and Coordination and Support Actions (CP-CSA)	22.30
1.2.3 Construction of new infrastructures (or major upgrades) – implementation phase		20.00
1.3 Support to policy development and programme implementation		
INFRA-2012-3.1: International cooperation with the USA on common data policies and standards relevant to global research infrastructures in the environment field	Coordination and Support Actions (CSA-CA or CSA-SA)	2.00
INFRA-2012-3.2: International cooperation with the USA on common e-infrastructure foundations relevant to global research infrastructures		1.00
INFRA-2011-3.3: Coordination actions, conferences and studies supporting policy development, including international cooperation, for e-Infrastructures		13.00

Research infrastructures



High Performance Computing (HPC)
Implementation phase / 20 mEUR

- **Third implementation phase of PRACE**
 - **Piloting joint pre-commercial procurement**
 - **Deploying services for industrial users, including SME's**
 - **Scaling of applications and development of new utilities and algorithms to address major socio-economic challenges**
 - **Open licensing of new tools**
- **Broaden training and outreach activities to:**
 - **engage more user communities**
 - **Ensure human resources in HPC**

.....

INFRA – 2013-1 (2012 / Jun ?)

GEANT advance preparation for HORIZONT 2020 (see GEANT 2020)

Sorry, the FP7 is walking away !

TABLE 5**SK - Slovakia - Most active organisations in terms of EC contribution granted to the FP7 research projects**

Legal Name	Number of Participations	% of all SK grant holders	EC contribution (M euro)	% of total EC contribution to SK grant holders
Technical University Kosice (TUK)	11	4.23%	2.29	6.90%
Ardaco, A.S. (ADO)	5	1.92%	2.23	6.70%
Univerzita Komenskeho v Bratislave (Univerzita Komenskeh)	15	5.77%	1.99	5.99%
Ustav Informatiky, Slovenska Akademia Vied (UI SAV)	5	1.92%	1.76	5.29%
Virologicky Ustav Slovenskej Akademie Vied	5	1.92%	1.54	4.64%

SOURCE: <http://ec.europa.eu/research/innovation-union/pdf/competitiveness-report/2011/countries/slovakia.pdf>

? TUKE / or SK?

Success story ... good dissemination / publication ... exploitation for what we do that ...??



Field of ICT and relevant areas with ICT application opportunities and contribution for

Cross-border eCollaboration in the Danube eRegion for a joint Prototype eSolutions & eServices development. +7: Knowledge Society, and 8: To support the competitiveness, 11) To work together to tackle security and organized crime.

Adapt4EE	Occupant Aware, Intelligent and Adaptive Enterprises - energy impact model for design and planning	FP7-ICT-2011-7	CENTRE FOR RESEARCH AND TECHNOLOGY HELLAS	INFSO
ebbits	Enabling business-based Internet of Things and Services - An Interoperability platform for a real-world populated Internet of Things domain	FP7-ICT-2009-5	FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V	INFSO
eGovPoliNet	Building a global multidisciplinary digital governance and policy modelling research and practice community	FP7-ICT-2011-7	UNIVERSITAET KOBLENZ-LANDAU	INFSO
OCOPOMO	Open Collaboration in Policy Modelling	FP7-ICT-2009-4	UNIVERSITAET KOBLENZ-LANDAU	INFSO
SPIKE	Secure Process-oriented Integrative Service Infrastructure for Networked Enterprises	FP7-ICT-2007-1	UNIVERSITAET REGENSBURG	INFSO
eBEST	Empowering Business Ecosystems of Small Service Enterprises to Face the Economic Crisis	FP7-SME-2008-2	CNA ASSOCIAZIONE PROVINCIALE DI MODENA	RTD/Capacities
INDECT	Intelligent Information System Supporting Observation, Searching and Detection for Security of Citizens in Urban Environment	FP7-SEC-2007-1	Akademia Górniczo-Hutnicza im. Stanisława Staszica w Krakowie	RTD/Safe and Security

Ultra Wideband Radio application for localisation of hidden people and detection of unauthorised objects, (RADIOTECH), COOP-CT-2006-032774 ,6FP

Access to e-Government Services Employing Semantic Technologies (Access-eGov), 6FP, STREP, TUKE coordinator

Application Bus for Interoperability In enlarged Europe SMEs (ABILITIES)“ 6FP, STREP

Small Enterprises Accessing the Electronic Market of the Enlarged Europe by a Smart Service Infrastructure (SEAMLESS) , 6FP, STREP



New intelligent technologies supported by relevant ICT opportunities and contribution for

2) To encourage more sustainable energy (renewable sources of energy, energy intensive industries and technologies) , 8) To support the competitiveness of enterprises, 5) To manage environmental risks, 9) To invest in people and skills (areas of eInclusion)

iNTeg-Risk	Early Recognition, Monitoring and Integrated Management of Emerging, New Technology Related Risks	FP7-NMP-2007-LARGE-1	EUROPEAN VIRTUAL INSTITUTE FOR INTEGRATED RISK MANAGEMENT	RTD/NMP
ACCENT	Adaptive Control of Manufacturing Processes for a New Generation of Jet Engine Components	FP7-AAT-2007-RTD-1	ROLLS ROYCE PLC	RTD /AAT- Aeronautics and Air Transport
ESPOSA	Efficient Systems and Propulsion for Small Aircraft	FP7-AAT-2011-RTD-1	PRVNI BRNENSKA STROJIRNA VELKA BITES A.S.	RTD / AAT
IntelliMine	Innovative Technologies and Concepts for the Intelligent Deep Mine of the Future	FP7-NMP-2011-LARGE-5	LUOSSAVAARA-KIIRUNAVAARA AB	RTD /NMP
SMILING	Self Mobility Improvement in the eLderly by counteractING falls	FP7-ICT-2007-1	ISTITUTO NAZIONALE DI RIPOSO E CURA PER ANZIANI INRCA	INFSO
KNOWBRIDGE	The Cross Border Knowledge Bridge in the Renewable Energy Sources Cluster in the Eastern Slovakia and North Hungary	FP7-REGIONS-2008-1	Kosice self-governing region	RTD/Capacities - Region of Knowledge

Mainstreaming on AMBient Intelligence (MonAMI), 6FP[e-Inclusion], IP, IST-5-0535147
Networked Embedded System Middleware for Heterogeneous Physical Devices in a Distributed Architecture (HYDRA), 6FP, IP, IST-2005-034891



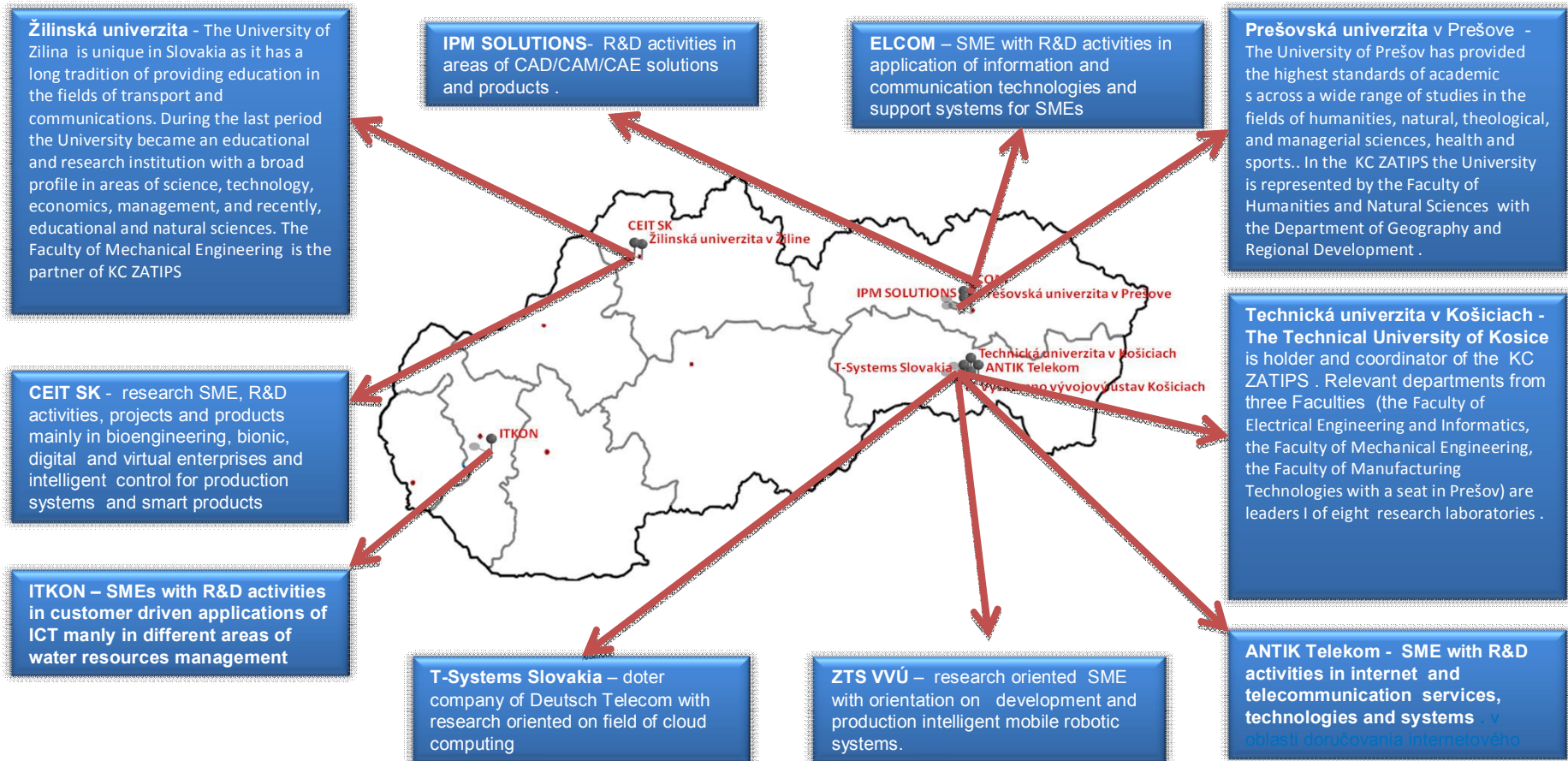
Support for new ICT approaches, products and systems implementation manly in areas of public eServices and eInclusion (AAL services for or people with disabilities and the ageing population)

DEN4DEK	Digital Ecosystems Network of regions for DissEmination and Knowledge deployment	CIP-ICT-PSP-2007-1	TECHIDEAS ASESORES TECNOLOGICOS, S.L.	INFSO
eGovMoNet	eGovernment Monitor Network	CIP-ICT-PSP-2007-1	UNIVERSITETET I AGDER	INFSO
eACCESS+	eACCESS+: the eAccessibility Network	CIP-ICT-PSP-2009-3	UNIVERSITAET LINZ	INFSO
ETNA	European Thematic Network on Assistive Information and Communication Technologies	CIP-ICT-PSP-2010-4	FONDAZIONE DON CARLO GNOCCHI ONLUS	INFSO
CIP - Competitiveness and Innovation Framework Programme				



COMPETENCY CENTRE – Park TECHNICOM

KC ZATIPS COMPETENCY CENTRE FOR KNOWLEDGE TECHNOLOGIES APPLIED AT INNOVATION OF PRODUCTION SYSTEMS IN INDUSTRY AND SERVICES



Zdroj: Analýzy SOVVA 



EUROPE 2020

Horizon 2020 - the Framework Programme for Research and Innovation in the
European Union (? **EUR 80 billion** in constant 2011 prices?)



EUROPE 2020

- Focus on facing the Grand Challenges:
 - Recovery, Employment, Ageing, Environment, Energy ...
- 7 flagship initiatives under Strategy for **smart**, **sustainable** and **inclusive** growth



- Support to **P2Ps and PPPs** as a tool to combine public and private funding
- ...

EUROPE 2020 / Lisbon strategy 2010 (do you remember?)

The strategy identifies **five headline targets** the European Union should take to boost growth and employment. These are:

1. To raise the employment rate of the population aged 20–64 from the current **69%** to **at least 75%**.
2. To achieve the target of investing **3%** of GDP in R&D in particular by improving the conditions for R&D investment by the private sector (always, is it not so high contribution as it was expected or very often proclaiming), and develop a new indicator to track innovation.
3. To reduce greenhouse gas emissions by at least **20%** compared to 1990 levels or by **30% if the conditions are right**, increase the share of renewable energy in final energy consumption to **20%**, and achieve **a 20%** increase in energy efficiency.
4. To reduce the share of early school leavers to 10% from the current 15% and increase the share of the population aged 30–34 having completed tertiary education from **31%** to **at least 40%**.
5. To **reduce** the number of Europeans living below national poverty lines by **25%**, lifting 20 million people out of poverty.



Innovation Union highlights

- **European Innovation Partnerships**
- European Research Area framework
- Streamlined EU programmes
- **New financial instruments**
- Reform of standardisation system
- Public procurement of innovation
- Social innovation pilot
- Stronger monitoring

NOTE: **European Innovation Partnerships** are:

Frameworks bringing together main actors and actions

- At EU and national levels
- From research to market
- Around common objectives and targets



INFO ! (time is running)

On 8 April, the European Commission has published a final report on the public consultation on the **European Innovation Partnership on Active and Healthy Ageing /AHA**.

What is it?

The **EIP (entire new EU 2020 initiation)** among other things: will bring together all relevant actors at EU, national and regional levels in order to: (i) step up research and development efforts; (ii) coordinate investments in demonstration and pilots; (iii) anticipate and fast-track any necessary regulation and standards; and (iv) mobilise 'demand' in particular through better coordinated public procurement to ensure that any breakthroughs are quickly brought to market.

AHA – (one of the proposed target field for EIP):

Improving the quality of life of an ageing population e.g. by new innovative solutions, clinical tests, diagnostics and treatments for age-related diseases, deployment of new innovative ICT-based solutions and the development and introduction of novel products, appliances and services specifically suitable for the elderly.

PS. I hope all of YOU knows about this actions.

2011/2012

Others to follow pending discussions and building on experience with pilot

Topics considered: smart cities, mobility, water, raw materials, agriculture



Digital Agenda for Europe (8 pillars):

1. Digital single market
2. Interoperability and standards
3. Trust and security
4. Fast and ultra fast internet access
5. Research and innovation
6. Enhancing digital literacy, skills and inclusion
7. ICT-enabled benefits for EU society
8. International aspects of the Digital Agenda

The DAE includes 100 actions for these 8th pillars

Framework for R&D programme and Implementation programme as well.

See “[Digital Agenda for Europe slideshow presentation](http://ec.europa.eu/information_society/digital-agenda/publications/index_en.htm)”

http://ec.europa.eu/information_society/digital-agenda/publications/index_en.htm

See as well : 7th White Paper from the e-Infrastructures Reflection Group (e-IRG).

Information Society Technologies Advisory Group (ISTAG):

“Orientations for EU ICT R&D & Innovation beyond 2013”

(10 Key Recommendations)



Only for comparison

Actions which implement **the i2010 strategy** are listed and reviewed in [Europe's Digital Competitiveness Report 2009](#).

1. Single European Information Space

The first objective of i2010 is to establish a Single European Information Space offering affordable and secure high-bandwidth communications, rich and diverse content and digital services, as well as a modern, market-oriented regulatory framework for the digital economy. Topics addressed here include the review of the regulatory framework for electronic communications, roaming, radio spectrum, audiovisual media services, online content and security.

For more information, see the [Single Information Space](#) page.

2. Innovation and investment in ICT research

Secondly, i2010 focuses on the EU's research and development instruments and sets priorities for cooperation with the private sector to promote **innovation and technological leadership**. Key topics here are ICT research in the 7th Framework Programme, European Technology Platforms (ETPs), Joint Technology Initiatives (JTIs), innovation, ICT Policy Support Programme in the Competitiveness and Innovation Programme (CIP), standardisation, pre-commercial procurement and eBusiness. For more information, see the [innovation and investment in ICT research](#) page.

3. Inclusion, better public services and quality of life

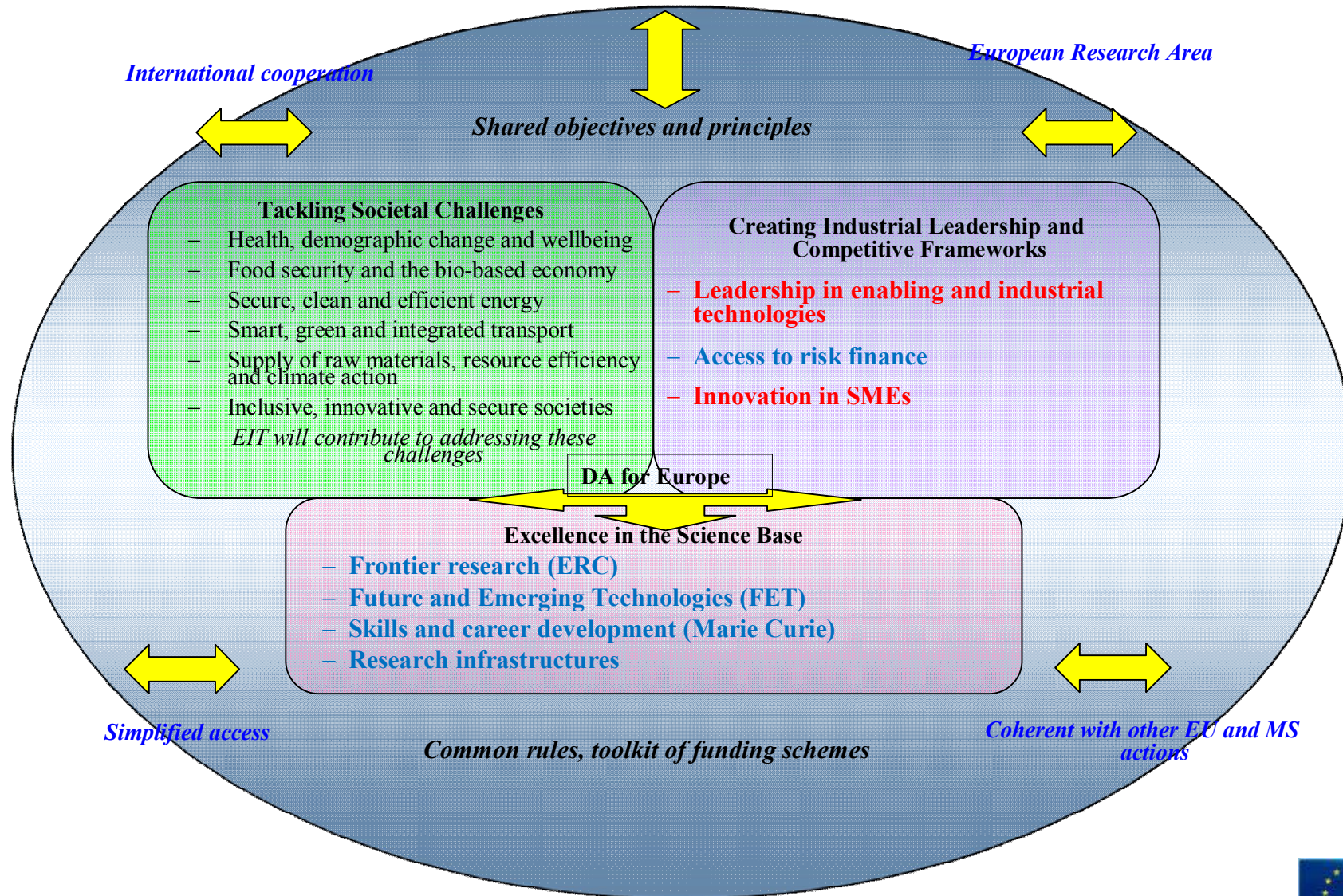
The third priority of i2010 is to promote, with the tools available to the Commission, a European Information Society for all, supported by efficient and user-friendly ICT enabled public services. Issue areas addressed here include eInclusion, eAccessibility, broadband gap/digital divide, eGovernment, eHealth, eSkills, as well as flagship initiatives - Digital Libraries, Intelligent Car and Ageing Well in the Information Society. For more information, see the [social inclusion, public services and quality of life](#) page.

PS. Not very optimistic conclusions are presented.



Horizon 2020 – Objectives and structure

Europe 2020 priorities





Few notices to “Research Infrastructures (and e-Infrastructures) topics”:

RIs:

- 60% ESFRI infrastructures launching by 2015 (new RIs with accordance to National RI strategies (roadmaps) and new research communities with ERC guarantee,
- Support for “bottom –up approach,
- Integration and opening for networking to pan-European infrastructures (open for national or regional RIs as well) – support from Structural Funds!
- **+Open RIs for industries and new RIS on engineering + e-Infrastructures implementation in RIs (e-Science concept)**

E-Infrastructures:

- Global R&D and education networks (GEANT),
- GRID and Cloud infrastructures,
- Ecosystem for HPC (PRACE continuing),
- SW and Services (visualisation, simulation ... support for e-Science concept),
- Real time collaborative tools and Virtual communities for R&D,
- Interoperability , open and rich science data infrastructures...



Horizon 2020 – Key features

(....similar to FP7...)

- **Clear set of objectives** based on Europe 2020 and Innovation Union
- Integrating research and innovation in a **seamless programme**
- Focus on overall policy priorities – **grand challenges**
- Programme **structured by objectives**
- **Simpler funding landscape** for research and innovation with common rules and funding schemes



Horizon 2020 – Implementation

- **Rationalised set** of funding schemes and instruments (...**more active MS participation**...)
- **Single set of rules** for eligibility, accounting, reporting, auditing
- Radically **simplified cost-reimbursement** approach
- Broader acceptance of **usual accounting practice**, greater use of **lump sums** and **flat rates**
- **Negotiation** and **selection** phases will be **much shorter**
- **Simpler guidance, unique IT portal, one stop shop** support structures in national language
- **Single audit approach** across Horizon 2020
- **Major externalisation (up to 2/3 of total budget)**: expanded executive agencies, **further use of PPPs and P2Ps**, increased use of financial instruments



Way ahead – Horizon 2020

- Thematic **informal consultation workshops**
- **Commission proposals for Horizon 2020: before the end of 2011 ???**
- **Legislative decisions** on Horizon 2020 by the Council and European Parliament (2012-13)
 - and budgeting during 2013
- **Horizon 2020** (from 2014)

Successful (efficient) participation in the “Framework programmes” and other relevant RTD programmes of the EU (from my personal point of view):

- R&D quality, awareness (credit), marketing in fields of R&D activities** – each potential participant
- Active participation** on information, networking, research and annual events organised by DG or other competent institution(s) from relevant area of the framework programme (e.g. IDs, expeditions, events of active projects, ETPs’ events and),
- Appropriate support from national “support system** (NCPs, delegates, SK Mission at EU, and other adequate official SK representations in EC bodies,
- Transparent and motivational financial and administration support** during preparation and performance of a project,
- Progressive and active (up-to-date) national R&D strategy and programme** for its performance (with relevant interactions to EU research strategy and “Framework programme”).
- Active interest and support for exploitation** of EU projects’ outcomes and products (not only “indifferent interest” about dissemination activities on the part of national stakeholders.
- And + relevant public support and recognition for research** (share of GDP,) ... ++ .. **E12 recommendations in ICT thematic area ... + consortium platform for performance ...**

However most important is active lobbying and “visible” contribution of official Slovak representation in relevant institutions of the European Commission throughout entire life cycle of the “Framework programme”. (nowadays **with respect to Cabinet Crisis** – relevant government “lobbying” and contribution to the FP7 finalisation and the FP8 (HORIZONT 2020) preparation will be **????? (on level “as observer”) ??!!**



Thank YOU

????????



??EUROPEAN TECHNOLOGY PLATFORMS??



Short parts of the Strategic Research Agendas of ENIAC and ARTEMIS, aligning fragmented R&D efforts at European level in the fields of:

Nanoelectronics: ENIAC

OK

ENIAC Call 5 – 2011 /

6. 7. 2011 – 15. 9. 2011

addressing the needs of silicon-based technologies & beyond

- shrinking of CMOS logic & memory devices
- development of value-added functions for System-on-Chip or System-in-Package solutions
- equipment & materials
- design automation



Embedded Intelligens and Systems: OK for Call 2012 ???!!!

ubiquitous, interoperable & cost-effective embedded systems

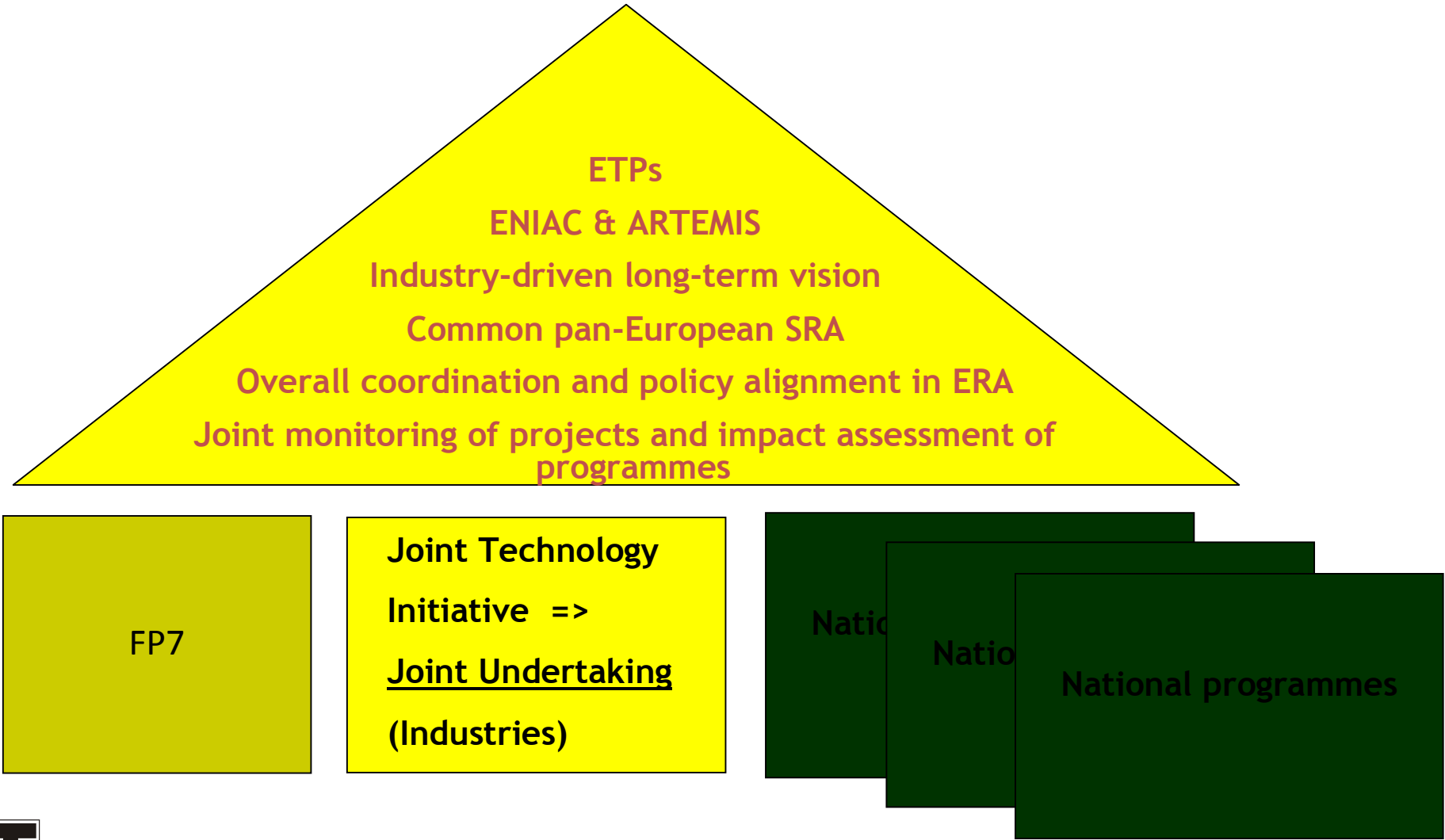
- reference designs and architectures
- middleware for interoperability and seamless connectivity
- integrated design software tools for rapid development & prototyping



http://cordis.europa.eu.int/technology_platforms/summaries.htm



ETP with JTI





Structure ARTEMIS Joint Undertaking

- “Industry” is represented by the ARTEMIS-IA
- “Public Authorities” (PAs) are represented by the PA Board

